

IN THE CLAIMS

Claims 1-3 (cancelled)

4. (currently amended) A method of treating an exhaust gas containing ammonia and metalorganic vapour, the method comprising:

conveying the exhaust gas into a first zone of a chamber containing a heated bed of material;

exposing the exhaust gas to ~~a~~the heated bed of material to cause the metalorganic vapour to decompose; and

conveying the exhaust gas into a second zone of the chamber containing an ammonia decomposition catalyst and then exposing the exhaust gas to ~~an~~the ammonia decomposition catalyst.

Claims 5-6 (cancelled)

7. (original) The method according to claim 4, wherein the catalyst is heated to decompose the ammonia into nitrogen and hydrogen.

8. (original) The method according to claim 7, wherein the catalyst comprises nickel supported on a ceramic former.

9. (original) The method according to claim 4, wherein the metalorganic vapour comprises a metal-alkyl vapour.

10. (original) The method according to claim 4, wherein the metalorganic vapour comprises a group III metal.

11. (original) The method according to claim 10, wherein the metalorganic vapour comprises at least one of trimethyl gallium, trimethyl indium, and trimethyl aluminium.

12. (original) The method according to claim 4, wherein the heated bed comprises a metal and a metal oxide.

13. (original) The method according to claim 12, wherein the exhaust gas is exposed to the heated metal and the exhaust gas exposed to the heated metal is exposed to the heated metal oxide.

Claims 14-22 (previously withdrawn)